



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

## \*BIBDATASHEET\*

CONFIRMATION NO. 8506

Bib Data Sheet

SERIAL NUMBER 10/052,338	FILING DATE 01/23/2002  RULE	CLASS 347	GROUP ART UNIT 2853	ATTORNEY DOCKET NO. 03500.013949.1
-----------------------------	---------------------------------------	--------------	------------------------	--

## APPLICANTS

Yoshiyuki Imanaka, Kanagawa-ken, JAPAN;

Masahiko Ogawa, Tokyo, JAPAN;  
 Ichiro Saito, Kanagawa-ken, JAPAN;

## \*\* CONTINUING DATA \*\*\*\*\*

This application is a DIV of 09/426,896 10/26/1999

aw 10/21/04

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

JAPAN 10-306179 10/27/1998

JAPAN 10-306182 10/27/1998

aw 10/21/04

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 04/12/2002

Foreign Priority claimed 35 USC 119 (a-d) conditions met Verified and Acknowledged	<input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance Examiner's Signature: <i>aw</i> 10/21/04 Initials	STATE OR COUNTRY JAPAN	SHEETS DRAWING 12	TOTAL CLAIMS 37	INDEPENDENT CLAIMS 4
--	---	------------------------------	-------------------------	-----------------------	----------------------------

## ADDRESS

5514

FITZPATRICK CELLA HARPER &amp; SCINTO

30 ROCKEFELLER PLAZA

NEW YORK, NY

10112

## TITLE

HEAD SUBSTRATE HAVING DATA MEMORY, PRINTING HEAD, PRINTING APPARATUS AND PRODUCING METHOD THEREFOR

FILING FEE  RECEIVED 2454	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
------------------------------------	---	---